

CLEAN COPY OF AMENDED CLAIM

B2
6. (Amended) A fiber optic network including the node of claim 1 and further including a second node, the second node including a first device for converting a first optical signal at a first frequency carried by the network into a first electrical signal, the second node further including a second device for demodulating first information from the first electrical signal modulated on the first optical signal, the second node further including a third device for modulating second information on a second electrical signal, and the second node further including a fourth device for converting the second information modulated on the second electrical signal into a second optical signal at the first frequency.